MODIFICATION HISTORY

MODEL NAME : SDM-S71

SERVICE MANUAL

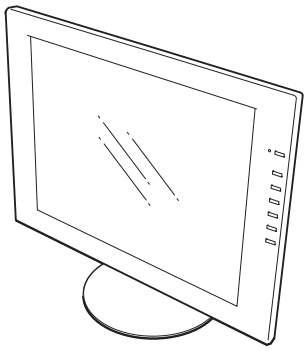
PARTS No. : 9-978-729-04

* Blue characters are linking.

No.	DATA	CONTENTS
△1	2003. 1	Addition of chinese model and change of bezel assy. (P.1, P.4-3)
△2	2004. 2	Addition of the manufacturer's names of the LCD panels by destination.(P.1, P.4-2)
△3	2004. 9	Addition and change of 4-1. CHASSIS PART No. (P.4-2)

SDM-S71

SERVICE MANUAL



US Model
Canadian Model
AEP Model
Southern Hemisphere Model
Chinese Model

The SDM-S71 has two varieties of the LCD panels. Please make sure to determine the service parts of the LCD module, inverter board and IF board.

SPEC.				
MODEL	DEST.	SER.No.	BODY COLOR	Panel
SDM-S71	AEP	0500001 and higher	WHITE	AU panel
SDM-S71/B	AEP	0700001 and higher	BLACK	AU panel
SDM-S71	U/C	4000001 and higher	WHITE	Samsung panel
SDM-S71/B	U/C	4250001 and higher	BLACK	Samsung panel
SDM-S71	AEP	4500001 and higher	WHITE	Samsung panel
SDM-S71/B	AEP	4750001 and higher	BLACK	Samsung panel
SDM-S71	SH	5500001 and higher	WHITE	AU panel
SDM-S71	CH	5600001 and higher	WHITE	AU panel

SPECIFICATIONS

LCD panel	Panel type: a-Si TFT Active Matrix Picture size: 17.0 inch
Input signal format	RGB operating frequency* Horizontal: 28 – 92 kHz Vertical: 48 – 85 Hz
Resolution	Horizontal: Max.1280 dots Vertical: Max.1024 lines
Input signal levels	RGB video signal 0.7 Vp-p, 75 Ω, positive SYNC signal TTL level, 2.2 kΩ, positive or negative (Separate horizontal and vertical, or composite sync) 0.3 Vp-p, 75Ω, negative (Sync on green)
Power requirements	100 – 240 V, 50 – 60 Hz, Max. 1.5 A
DC input	DC 12 V (supplied AC adapter)
Power consumption	Max. 45 W
Operating temperature	5 – 35 °C
Dimensions (width/height/depth)	Display (upright): Approx. 423 × 399 × 233 mm ($16\ ^3/_4 \times 15\ ^3/_4 \times 9\ ^1/_4$ inches) (with stand) Approx. 423 × 340 × 62 mm ($16\ ^3/_4 \times 13\ ^1/_2 \times 2\ ^1/_2$ inches) (without stand)
Mass	Approx. 6.5 kg (14 lb 5 oz) (with stand) Approx. 4.8 kg (10 lb 9 oz) (without stand)
Plug & Play	DDC2B
Accessories	See page 7.

* Recommended horizontal and vertical timing condition
- Horizontal sync width duty should be more than 4.8% of total horizontal time or 0.8 µs, whichever is larger.
- Horizontal blanking width should be more than 2.5 µsec.
- Vertical blanking width should be more than 450 µsec.

Design and specifications are subject to change without notice.

TFT LCD Color Computer DISPLAY

SONY®

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the connector shell, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC Leakage. Check leakage as described right.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes).

Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOMs that are suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

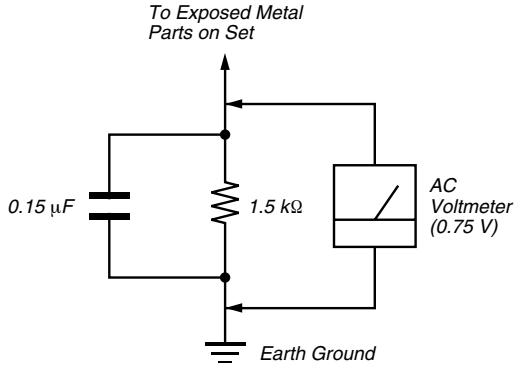


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

AVERTISSEMENT!!

NE JAMAIS METTRE SOUS TENSION QUAND LA BOBINE DE DEMAGNETISATION EST ENLEVÉE.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE ⚠ SONT CRITIQUES POUR LA SÉCURITÉ. NE LES REMPLACER QUE PAR UNE PIÈCE PORTANT LE NUMÉRO SPECIFIÉ. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

POWER SAVING FUNCTION

This monitor meets the power-saving guidelines set by VESA, ENERGY STAR, and NUTEK. If the monitor is connected to a computer or video graphics board that is DPMS (Display Power Management Signaling) compliant, the monitor will automatically reduce power consumption as shown below.

SDM-S71

Power mode	Power consumption	⏻ (power) indicator
normal operation	45 W (max.)	green
active off* (deep sleep)**	3 W (max.)	orange ***
power off	3 W (max.)	off

* When your computer enters the “active off ”mode, the input signal is cut and NO INPUT SIGNAL appears on the screen. After 20 seconds, the monitor enters the power saving mode.

** “deep sleep” is the power saving mode defined by the Environmental Protection Agency.

*** If only the horizontal or vertical sync signal is input to the monitor, the power indicator may alternately flash green and orange.

AUTOMATIC PICTURE QUALITY ADJUSTMENT FUNCTION

When the monitor receives an input signal, it automatically matches the signal to one of the factory preset modes stored in the monitor's memory to provide a high quality picture at the center of the screen. (See Appendix for a list of the factory preset modes.)
For input signals that do not match one of the factory preset modes, the automatic picture quality adjustment function of this monitor automatically adjusts the picture position, phase, and pitch, and ensures that a clear picture appears on the screen for any timing within the monitor's frequency range (horizontal: 28 – 60 kHz (SDM-S51), 28 – 92 kHz (SDM-S71/S81), vertical: 48 – 75 Hz (SDM-S51), 48 – 85 Hz (SDM-S71/S81)).

Consequently, the first time the monitor receives input signals that do not match one of the factory preset modes, the monitor may take a longer time than normal for displaying the picture on the screen. This adjustment data is automatically stored in memory so that next time, the monitor will function in the same way as when the monitor receives the signals that match one of the factory preset modes.
In all modes as above, if the picture is adjusted, the adjustment data is stored as a user mode and automatically recalled whenever the same input signal is received.

Note

While the automatic picture quality adjustment function is activated, only the ⏻ (power) switch will operate.

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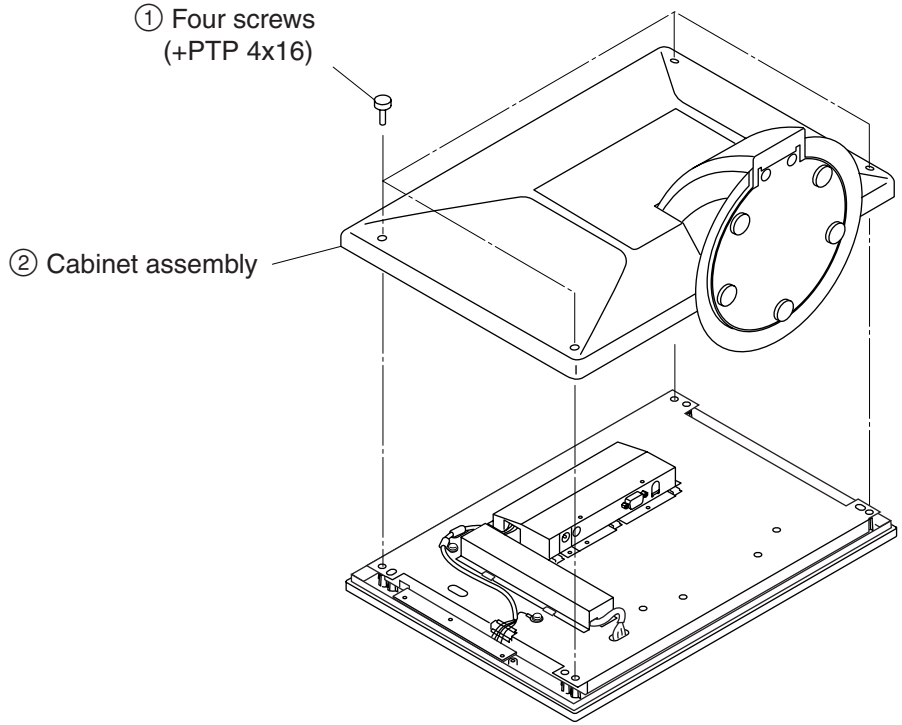
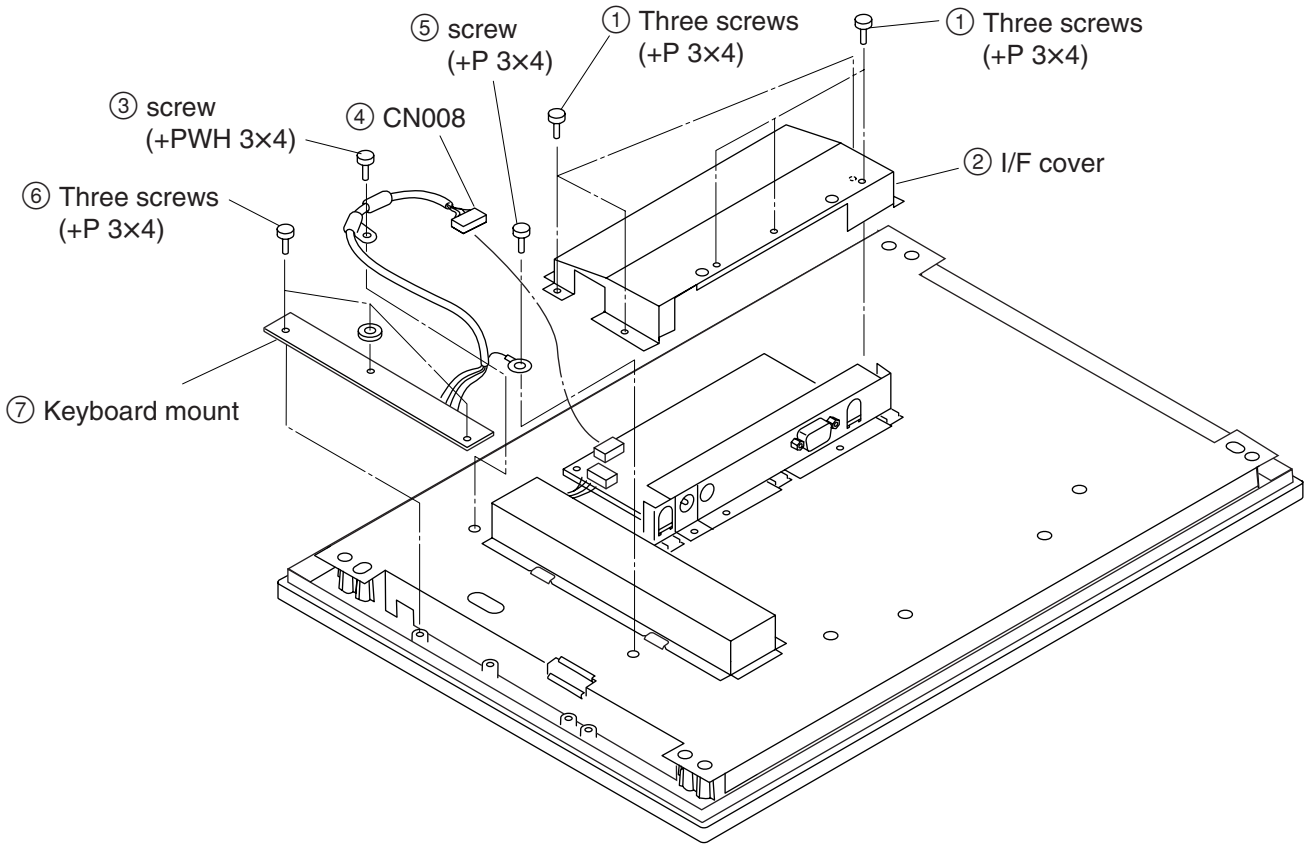
SECTION 1
DISASSEMBLY

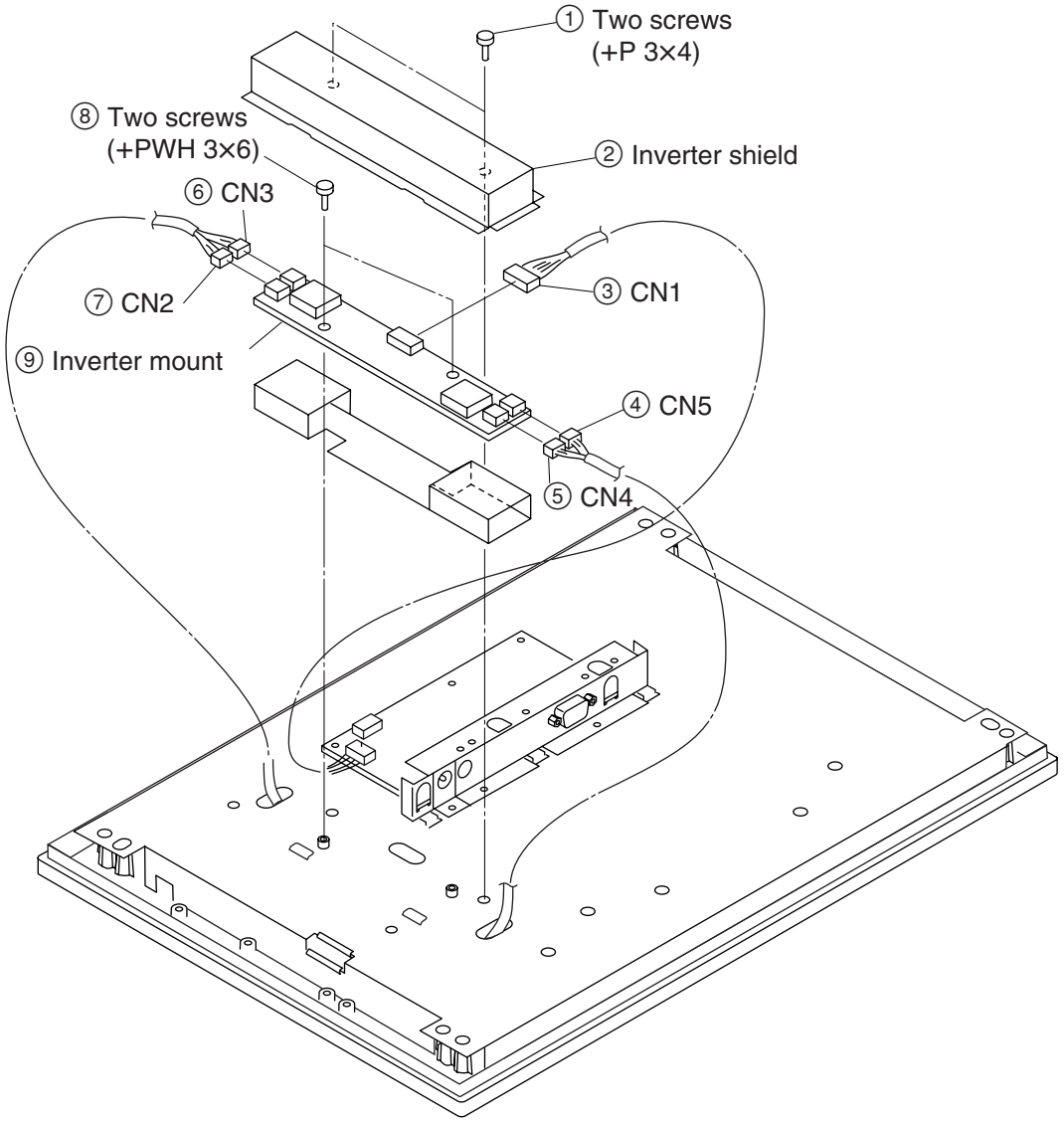
1-1. CABINET ASSEMBLY REMOVAL



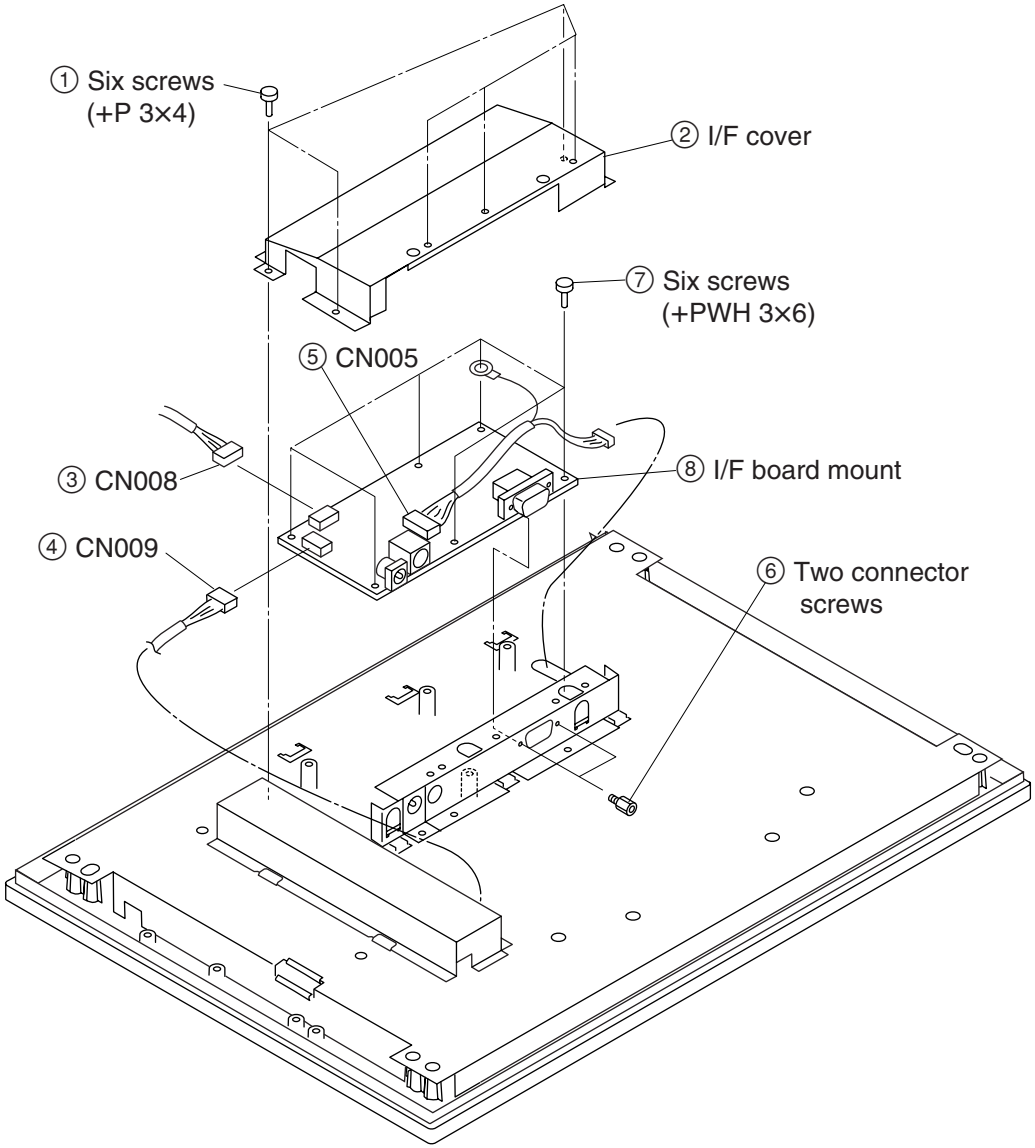
1-2. KEYBOARD MOUNT REMOVAL



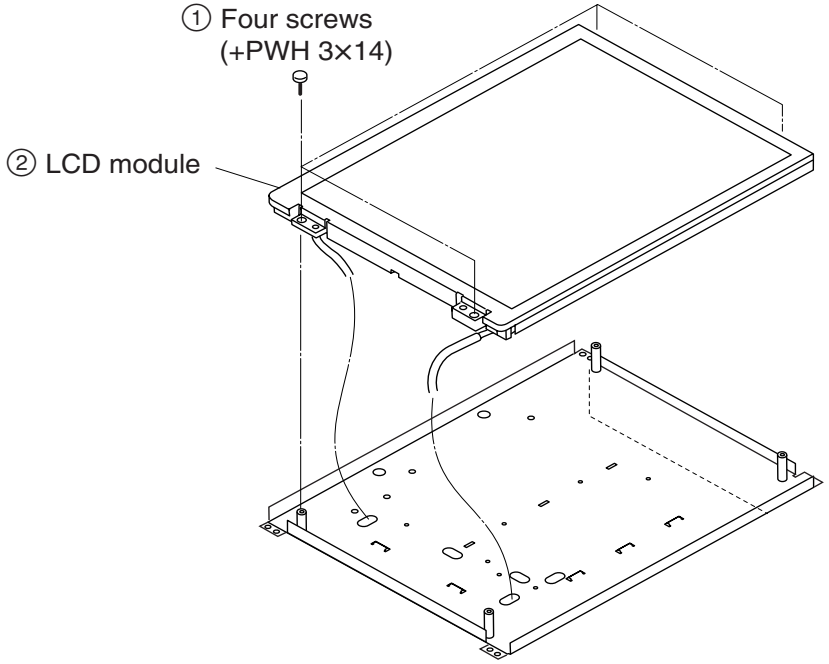
1-3. INVERTER MOUNT REMOVAL



1-4. I/F BOARD REMOVAL



1-5. LCD MODULE REMOVAL



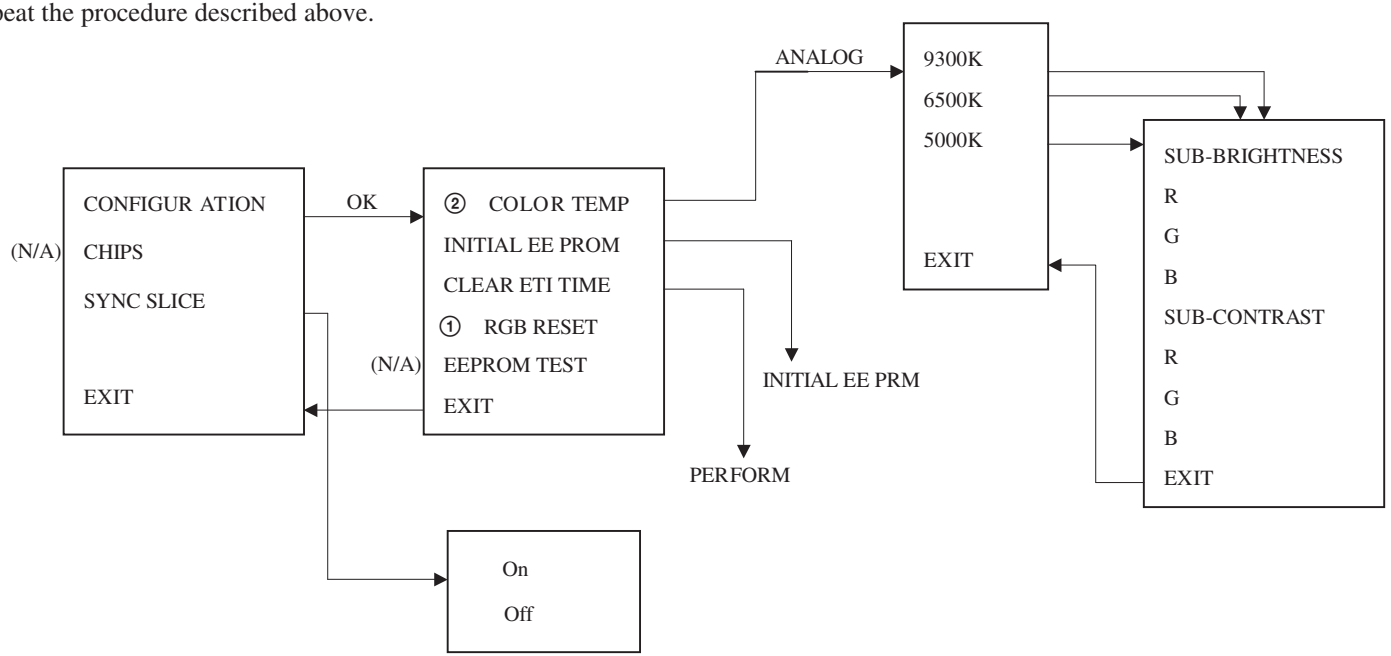
SECTION 2
ADJUSTMENTS

2-1. FUNCTIONAL ALIGNMENT (1)

• Procedures of how to go to service mode.

1. Enter the service mode of this unit by turning on the power while pressing and holding the "↑" and "↓" keys simultaneously.
2. Press "MENU" key-----MAINTAIN → Configulation → RGB Reset → OK → Configulation → Color Temp.
3. Press the "↓" key continuously to select MAINTAIN on the second page.
4. Press "OK" key to enter the service menu.
5. Select the desired function.
6. Press the "MENU" key to exit OSD.
7. Turn off the power and then turn on it again. The monitor then enters the normal mode.

To enter the service again, repeat the procedure described above.



Note

1. N/A indicates "Not Applied".
2. This service menu only provides both a Configuration function and Sync Slice function.
   Other functions are used for design engineering. There is no guarantee of using these N/A functions.
3. W/B readjustment is required after the panel, board, and microcomputer are replaced. However, be sure to perform aging for more than 30 minutes for RGB reset before W/B adjustment.

2-2. FUNCTIONAL ALIGNMENT (2)

This section describes the functional adjustment procedure (using a color meter) of this unit.

• Setup

1. Prepare timing and pattern data for a signal generator according to the Sony timing specifications.
2. Connect a monitor video cable to the signal generator.
3. Put Topcon 50 cm away from the monitor, specify it vertically in the center of the display, and adjust the focus to the optimum level using an eyepiece.
4. Put the monitor and Topcon in a light-shielded room.
5. Set up [SERVICE MODE] of the monitor.

• Operation

Data is manually set to improve the productivity. The brightness and contrast are set to 50 and 70, respectively. After that, the default data of the color temperature to be adjusted is set.

• Warm up time

Warm up for 30 minutes before performing any adjustment.

• Color Adjustm ent

1. 9300K color adjustment
   --Center adjustment--
   a. Click "Color Temperature" as "9300".
   b. Use a 40% IRE white video field in the primary mode.
   c. Confirm that the "backlight" register data is 0 (100%).
   d. Click "Refresh".
   Refer to Table 1 in 2-4 for the default data of color adjustment.
   e. Adjust "sub_brt_B" to secure the color temperature.
   Refer to Table 2 in 2-4 for specifications.
   f. Click "Save this color" for a color save at 9300K.

2. 5000K color adjustment
   a. Click "Color Temperature" as "5000".
   b. Repeat the adjustment procedure as steps b to f at 9300K.

3. 6500K color adjustment
   a. Click "Color Temperature" as "6500".
   b. Repeat the adjustment procedure as steps b to f at 9300K.

• Geometry Adjus tment

1. Adjust "Pitch" to make the screen performance optimum.
2. Adjust "Phase" to make the screen performance optimum.
3. Adjust "H position" to make the screen center horizontal.
4. Adjust "V position" to make the screen center vertical.
5. Repeat steps 1 to 4 to make the picture performance optimum.
6. Repeat steps 1 to 5 to secure the current timing of the user.

2-3. W/B ALIGNMENT PROCEDURE

A. Measurement Condition:

- Measurement point: Center of screen
- Measurement distance: 50 cm
- Measurement Angle: 90°

B. Measurement equipment:

- Color Analyzer: Minolta CS-1000 or equivalent
- Signal Generator: VG-828D or equivalent

C. Alignment Procedure:

Alignment Procedure	Parameter Setting & Specification					
1. Aging: 30 minutes or more	Burn-in mode: press "BRT"+"OK" then "Power ON"					
2. Enter the “Service Mode”.	Service mode: press "▽"+"△" then "Power ON"					
3. RGB reset	Maintains the configuration RGB reset.					
4. Initial Data Setting:	a. Brightness: 50					
	b. Contrast: 70					
	c. Sub-BRT (R/G/B): 26					
	d. Sub-CONT (R/G/B): 128					
5. Input gray raster pattern	30 IRE (1280*1024, 80K/75Hz)					
6. Adjust White Balance (9300K, 6500K & 5000K) and Luminance (10 nits @ SONY CS-1000) by Sub-BRT		9300K	6500K	5000K	Tolerance	
	x	0.2838	0.3132	0.3450	}0.003	
Remark: In normally, adjust G for Luminance (Y), adjust R for x and adjust B for y.	y	0.2981	0.3297	0.3580	}0.003	
	Y	10	10	10	}0.7	
7. All mode recall	All mode recall: press"CONTRAST" +"OK" then "Power ON"					

2-4. TABLE1 & 2

Table 1: Default data for analog color adjustment

Color	9300K	6500K	5000K
Brightness (G)	50	30	50
Contrast (G)	70	70	70
Sub-Brt-R	30	33	37
Sub-Brt-G	32	32	32
Sub-Brt-B	26	18	12
Sub-Cont-R	128	128	128
Sub-Cont-G	128	128	128
Sub-Cont-B	128	128	128

Table 2: Specifications for color adjustment

Color	x	y	Y (35% IRE)
9300	0.2838	0.2981	10 nit
6500	0.3132	0.3297	10 nit
5000	0.3450	0.3580	10 nit
Tole	± 0.003	± 0.003	± 0.7

Y: Luminance measurements are in cd/m^2

2-5. TIMING SPECIFICATION

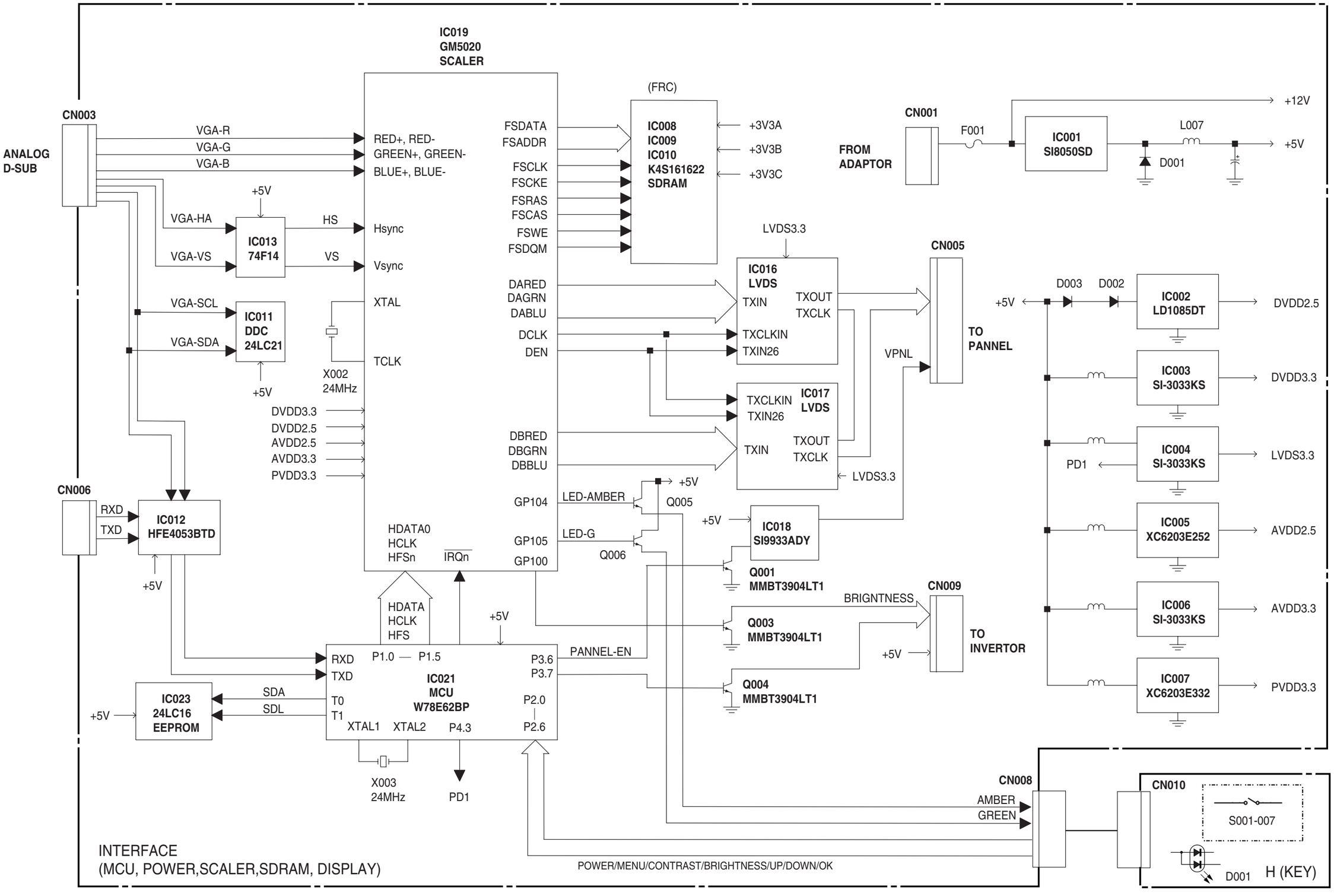
PRESET MODE	MODE 1	MODE 2	MODE 3	MODE 4	MODE 5	MODE 6	MODE 7	MODE 8
SIGNAL MODE	VESA 60Hz	MAC 13”	VESA 75Hz	VESA 85Hz	VESA 70Hz	VESA 60Hz	VESA 75Hz	VESA 85Hz
RESOLUTION	640 X 480	640 X 480	640 X 480	640 X 480	720 X 400	800 X 600	800 X 600	800 X 600
DOT CLOCK	25.175 MHz	30.240 MHz	31.500 MHz	36.000 MHz	28.350 MHz	40.000 MHz	49.500 MHz	56.250 MHz
HORIZONTAL	usec	usec	usec	usec	usec	usec	usec	usec
H. TOATL	31.778	28.571	26.667	23.111	31.746	26.400	21.333	18.631
H. SYNC	3.813	2.116	2.032	1.556	2.540	3.200	1.616	1.138
H. BP	1.907	3.175	3.810	2.222	3.175	2.200	3.232	2.702
H. ACTIV	25.422	21.164	20.317	17.778	25.397	20.000	16.162	14.222
VERTICAL	msec	msec	msec	msec	msec	msec	msec	msec
V. TOTAL	16.683	15.000	13.333	11.764	14.254	16.579	13.333	11.756
V. SYNC	0.064	0.086	0.080	0.069	0.095	0.106	0.064	0.056
V. BP	1.049	1.114	0.427	0.578	1.079	0.607	0.448	0.503
V. ACTIV	15.253	13.714	12.800	11.093	12.698	15.840	12.800	11.179
H/V POLARITY	N/N	N/N	N/N	N/N	N/P	P/P	P/P	P/P

PRESET MODE	MODE 9	MODE 10	MODE 11	MODE 12	MODE 13	MODE 14	MODE 15	MODE 16
SIGNAL MODE	PMAC 16”	VESA 60Hz	VESA 70Hz	VESA 75Hz	VESA 75Hz	PMAC 19”	MAC	WS
RESOLUTION	832 X 624	1024 X 768	1024 X 768	1024 X 768	1024 X 768	1024 X 768	1152 X 870	1152 X 900
DOT CLOCK	57.285 MHz	65.000 MHz	75.000 MHz	78.750 MHz	94.500 MHz	80.000 MHz	100.000 MHz	92.940 MHz
HORIZONTAL	usec	usec	usec	usec	usec	usec	usec	usec
H. TOATL	20.110	20.677	17.707	16.660	14.561	16.600	14.560	16.182
H. SYNC	1.117	2.092	1.813	1.219	1.016	1.200	1.280	1.377
H. BP	3.910	2.462	1.920	2.235	2.201	2.200	1.440	2.087
H. ACTIV	14.524	15.754	13.653	13.003	10.836	12.800	11.520	12.395
VERTICAL	msec	msec	msec	msec	msec	msec	msec	msec
V. TOTAL	13.413	16.666	14.272	13.328	11.765	13.346	13.322	15.163
V. SYNC	0.060	0.124	0.106	0.050	0.044	0.050	0.048	0.065
V. BP	0.744	0.600	0.513	0.466	0.524	0.498	0.568	0.502
V. ACTIV	12.549	15.880	13.599	12.795	11.183	12.749	12.667	14.564
H/V POLARITY	N/N	N/N	N/N	P/P	P/P	N/N	N/N	N/N

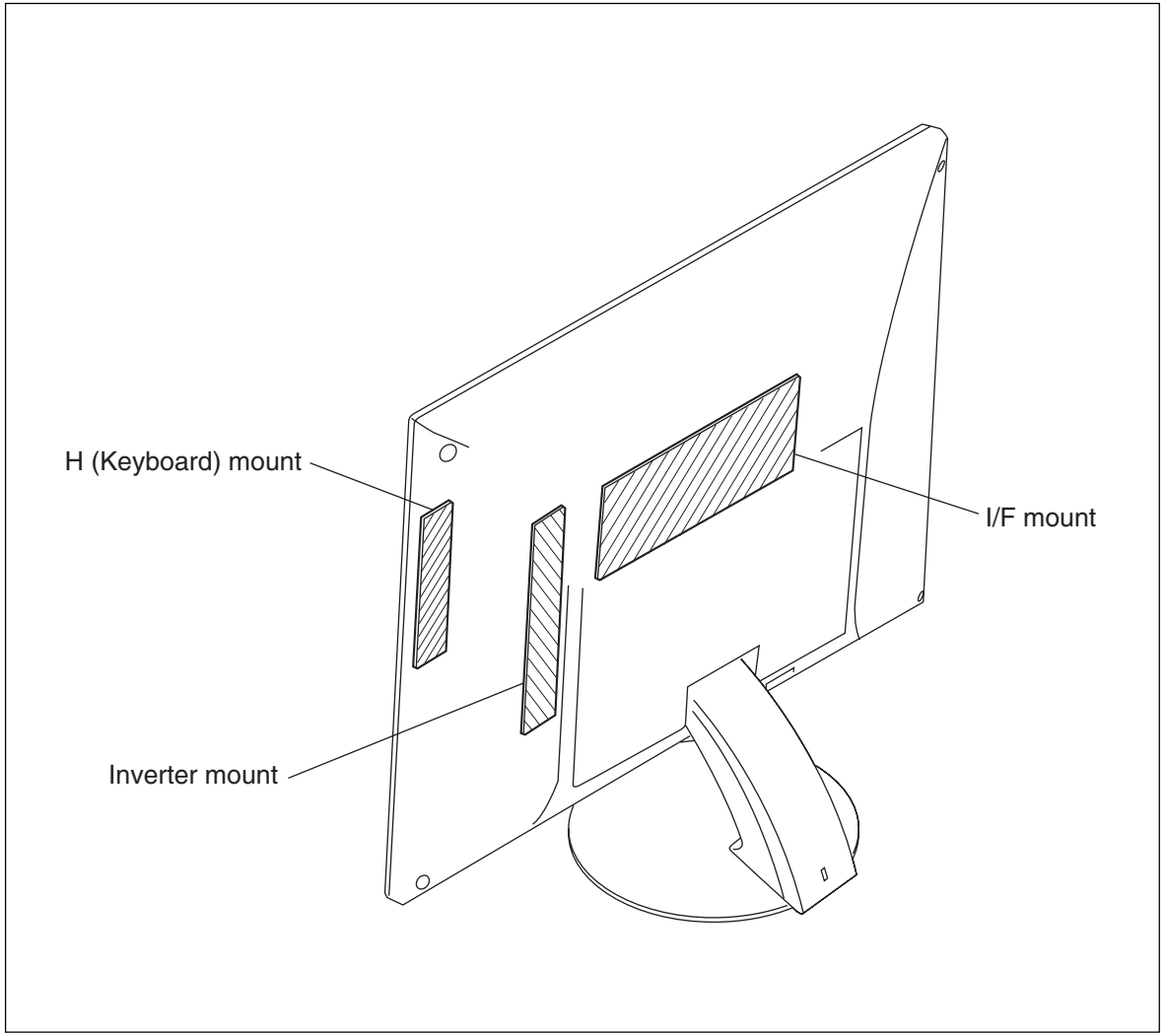
PRESET MODE	MODE 17	MODE 18	MODE 19	MODE 20	MODE 21	MODE 22
SIGNAL MODE	WS	VESA 60Hz	VESA 85Hz	VESA 60Hz	VESA 75Hz	VESA 85Hz
RESOLUTION	1152X 900	1280 X 960	1280 X 960	1280X 1024	1280X 1024	1280X 1024
DOT CLOCK	105.590 MHz	108.000 MHz	148.500 MHz	108.000 MHz	135.000 MHz	157.500 MHz
HORIZONTAL	usec	usec	usec	usec	usec	usec
H. TOATL	13.941	16.667	22.636	15.630	12.504	10.971
H. SYNC	0.909	1.037	1.077	1.037	1.067	1.016
H. BP	1.970	2.889	1.508	2.296	1.837	1.422
H. ACTIV	10.910	11.852	8.620	11.852	9.481	8.127
VERTICAL	msec	msec	msec	msec	msec	msec
V. TOTAL	13.146	16.667	11.764	16.661	13.329	11.761
V. SYNC	0.112	0.050	0.035	0.047	0.038	0.033
V. BP	0.460	0.600	0.547	0.594	0.475	0.483
V. ACTIV	12.547	16.000	11.171	16.005	12.804	11.235
H/V POLARITY	N/N	P/P	P/P	P/P	P/P	P/P

SECTION 3
DIAGRAMS

3-1. BLOCK DIAGRAM



3-2. CIRCUIT BOARDS LOCATION



3-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted. (pF: μμF)
  Capacitors without voltage indication are all 50 V.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

  Pitch: 5 mm
  Rating electrical power 1/4 W (CHIP : 1/10 W)

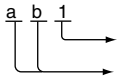
- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- △ :internal component.
- : panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- ⊥ : earth-ground.
- ⏚ : earth-chassis.
- When replacing the part in below table, be sure to perform the related adjustment.
- All voltages are in V.
- Readings are taken with a 10 M digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- ✻ : Can not be measured.
- Circled numbers are waveform references.
- : B + bus.
- : B – bus.

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Divided circuit diagram

  One sheet of INTERFACE board circuit diagram is divided into six sheets,
  each having the code INTERFACE-ⓐ to INTERFACE-ⓕ. For example, the destination
  (ab1) on the code INTERFACE-ⓐ sheet is connected to (ab1) on the INTERFACE-ⓑ sheet.



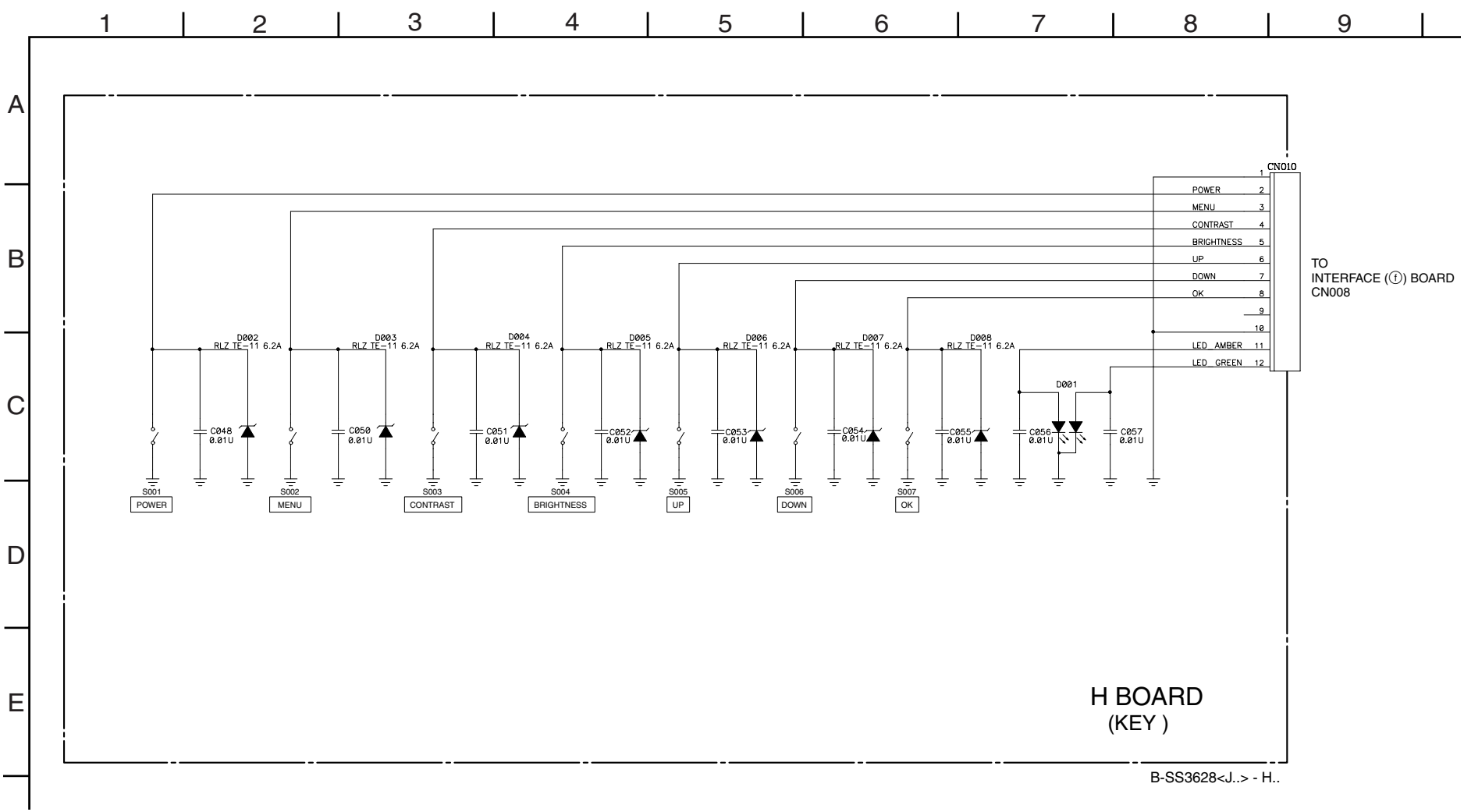
Terminal name of semiconductors in silk screen printed circuit (✻)

	Device	Printed symbol	Terminal name	Circuit
①	Transistor	T	Collector / Base T Emitter	
②	Transistor	—	Collector / Base — Emitter	
③	Diode	⊓	Cathode — Anode	
④	Diode	T	Cathode / Anode T (NC)	
⑤	Diode	—	Cathode / Anode — (NC)	
⑥	Diode	T	Common / Anode T Cathode	
⑦	Diode	—	Common / Anode — Cathode	
⑧	Diode	T	Common / Anode T Anode	
⑨	Diode	—	Common / Anode — Anode	
⑩	Diode	T	Common / Cathode T Cathode	
⑪	Diode	—	Common / Cathode — Cathode	
⑫	Diode	|	Anode Cathode / Anode Anode / Cathode Anode	
⑬	Transistor (FET)	|	Drain | Source / Gate	
⑭	Transistor (FET)	⊢	Drain ⊢ Source / Gate	
⑮	Transistor (FET)	|	□ Source / □ Drain / □ Gate	
⑯	Transistor	|	□ Emitter / □ Collector / □ Base	
—	Discrete semiconductot			

(Chip semiconductors that are not actually used are included.)

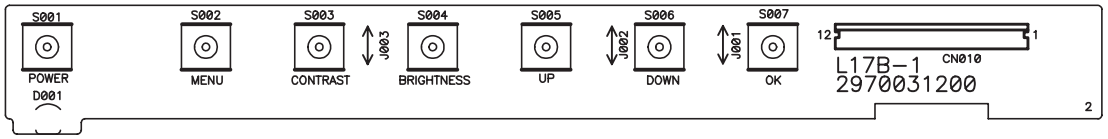
Ver.1.6

(1) Schematic Diagram of H (KEY) Board

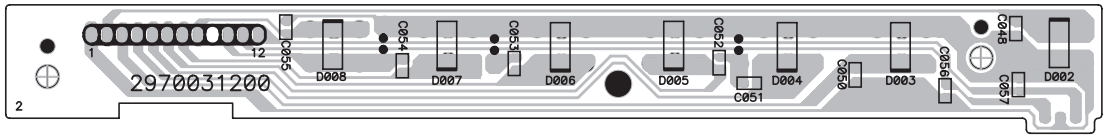


H [KEY]

— H (KEY) BOARD —

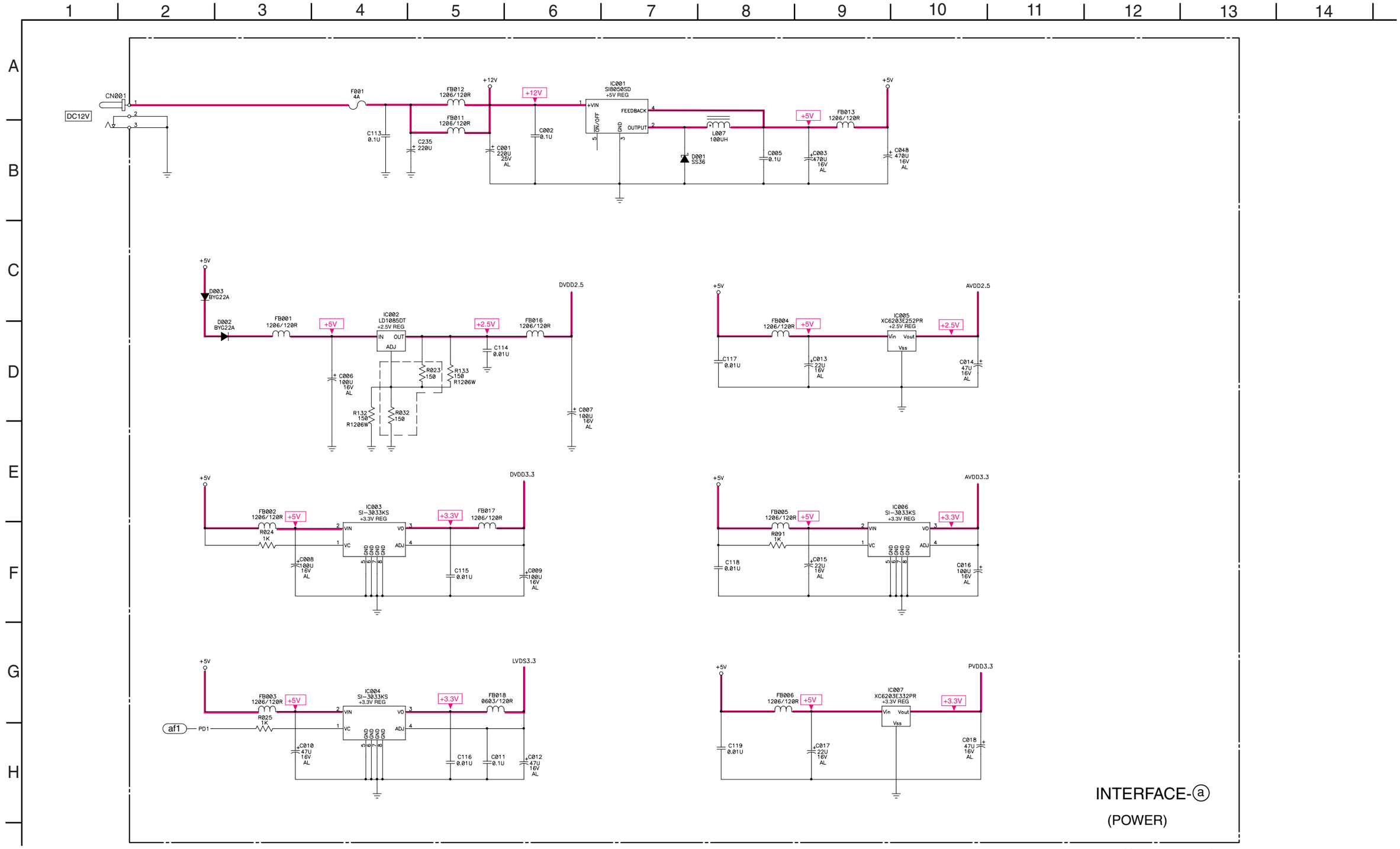


<COMPONENT SIDE>



<CONDUCTOR SIDE>

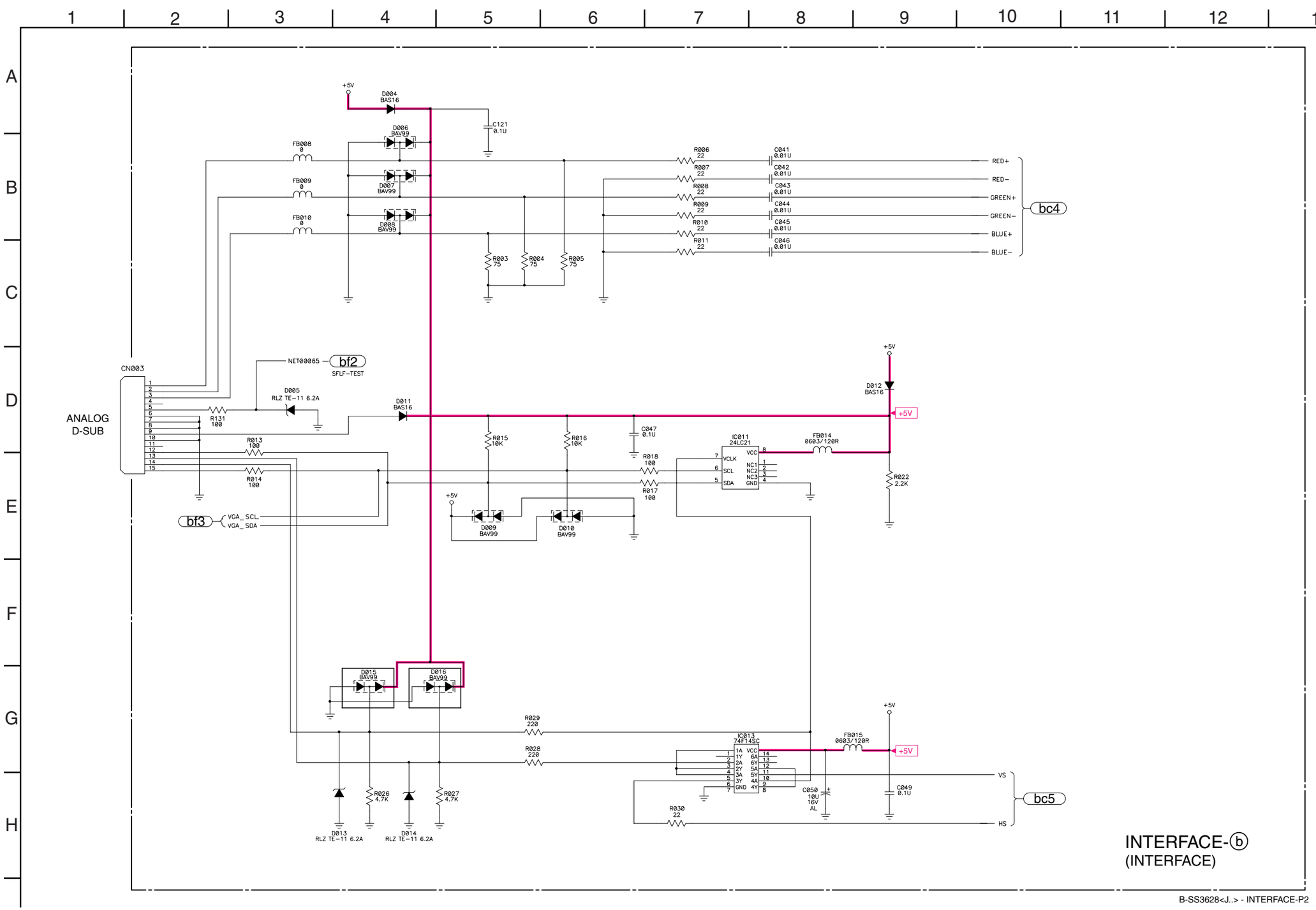
(2) Schematic Diagram of INTERFACE (ⓐ, ⓑ, ⓒ, ⓓ, ⓔ, ⓕ) Board



B-SS3628<J..> - INTERFACE-P1

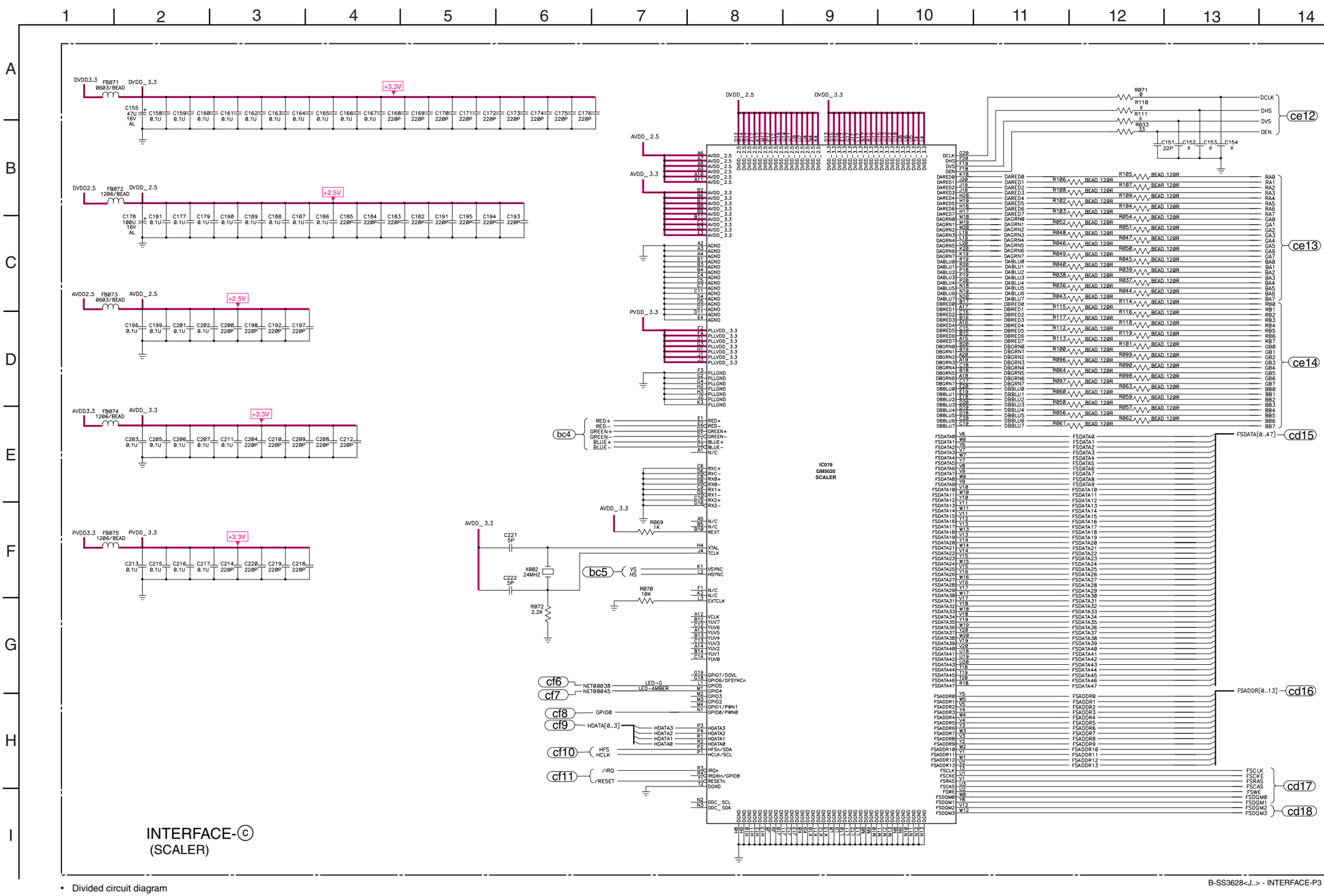
- Divided circuit diagram
  One sheet of INTERFACE board circuit diagram is divided into six sheets, each having the code INTERFACE-ⓐ to INTERFACE-ⓕ. For example, the destination (ab1) on the code INTERFACE-ⓐ sheet is connected to (ab1) on the INTERFACE-ⓑ sheet.

a b 1
- 1 → Ref. No.
- a b → Circuit diagram division code



- Divided circuit diagram
  One sheet of INTERFACE board circuit diagram is divided into six sheets, each having the code INTERFACE-ⓐ to INTERFACE-ⓕ. For example, the destination (ab1) on the code INTERFACE-ⓐ sheet is connected to (ab1) on the INTERFACE-ⓑ sheet.

  a b 1
  - 1 → Ref. No.
  - a b → Circuit diagram division code

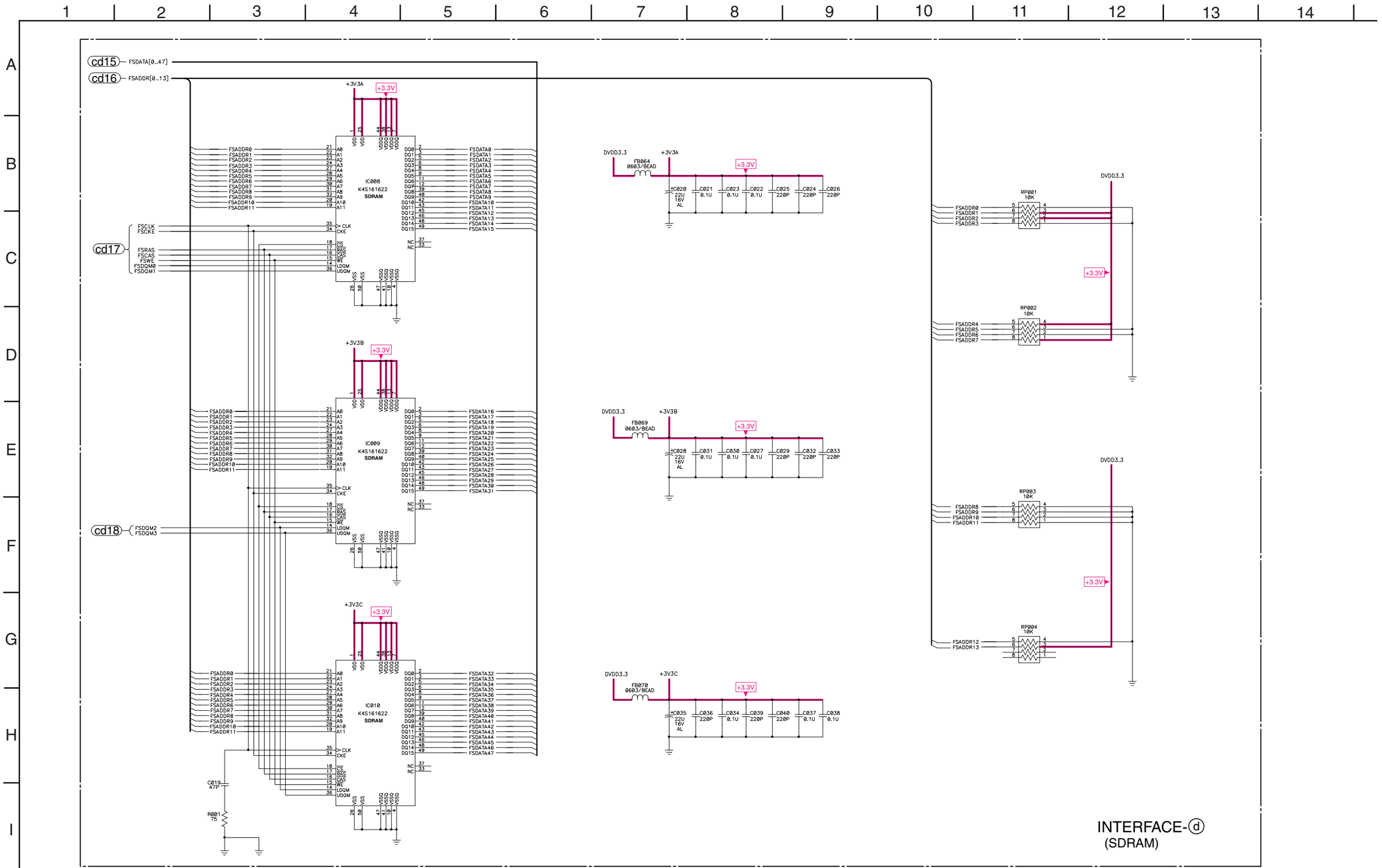


B-SS3628<J..> - INTERFACE-P3

- Divided circuit diagram

  One sheet of INTERFACE board circuit diagram is divided into six sheets, each having the code INTERFACE-ⓐ to INTERFACE-ⓕ. For example, the destination (ab1) on the code INTERFACE-ⓐ sheet is connected to (ab1) on the INTERFACE-ⓑ sheet.

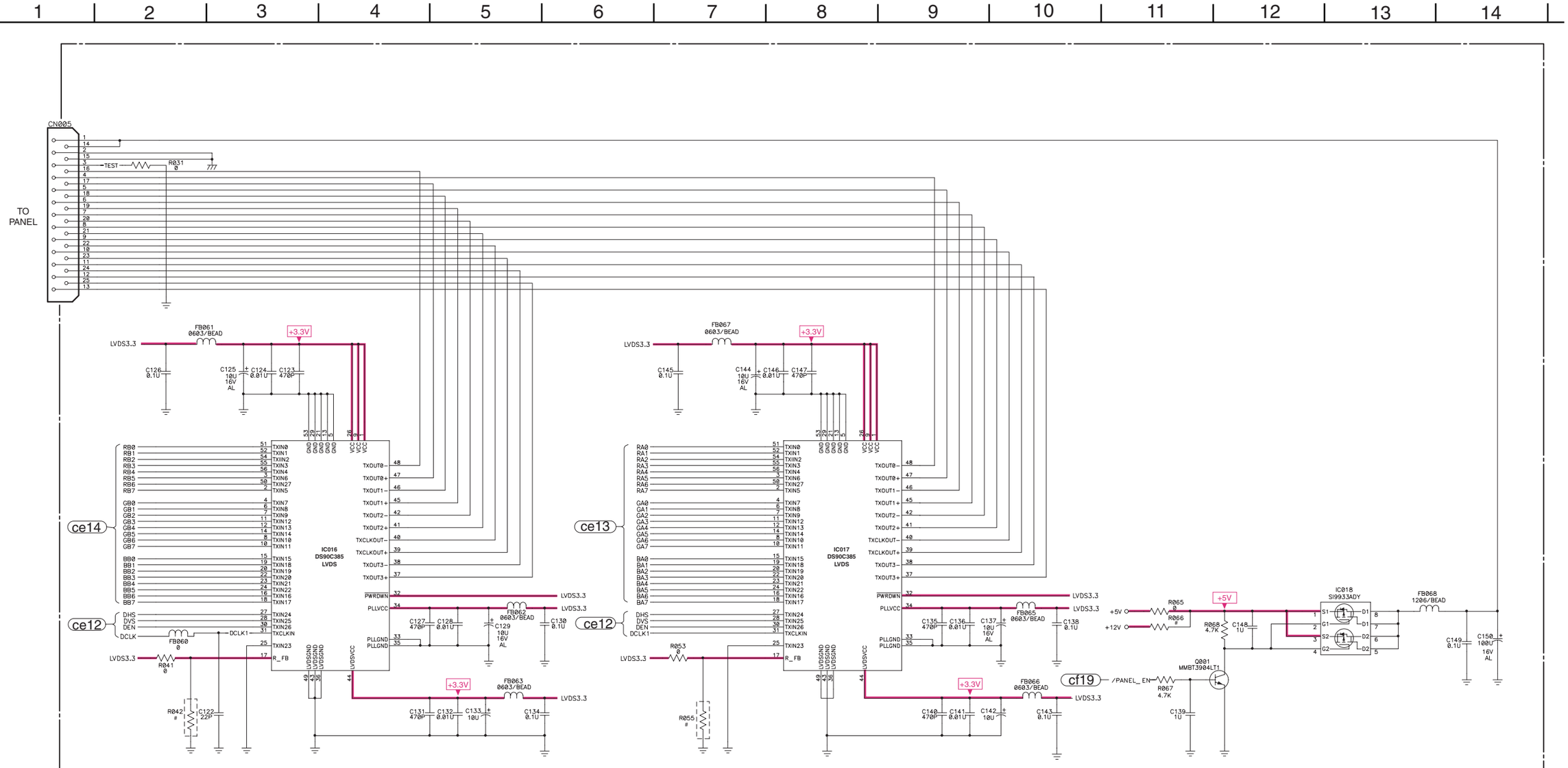
  a b 1 → Ref. No.
  → Circuit diagram division code



B-SS3628<J..> - INTERFACE-P4

- Divided circuit diagram
  One sheet of INTERFACE board circuit diagram is divided into six sheets, each having the code INTERFACE-ⓐ to INTERFACE-ⓕ. For example, the destination (ab1) on the code INTERFACE-ⓐ sheet is connected to (ab1) on the INTERFACE-ⓑ sheet.

a b 1
- 1 → Ref. No.
- a b → Circuit diagram division code



R_FV	Rising edge strobe	Falling edge strobe
R53	V	V
R55	X	X

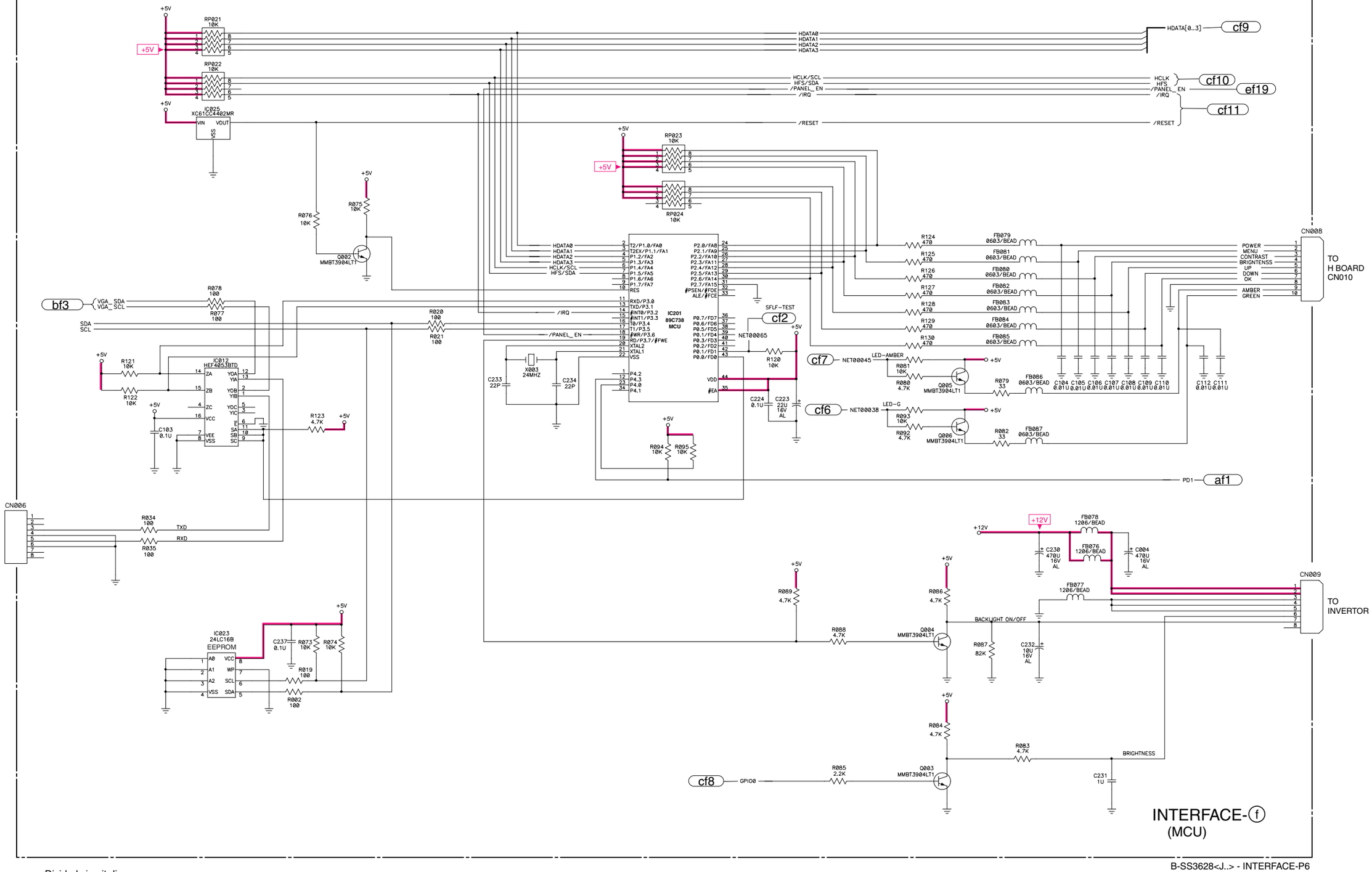
	R065	R066
17"	V	V
18"	X	X

INTERFACE-ⓔ
(DISPLAY)

B-SS3628<J..> - INTERFACE-P5

- Divided circuit diagram
  One sheet of INTERFACE board circuit diagram is divided into six sheets, each having the code INTERFACE-ⓐ to INTERFACE-ⓕ. For example, the destination (ab1) on the code INTERFACE-ⓐ sheet is connected to (ab1) on the INTERFACE-ⓑ sheet.

a b 1
- 1 → Ref. No.
- a b → Circuit diagram division code



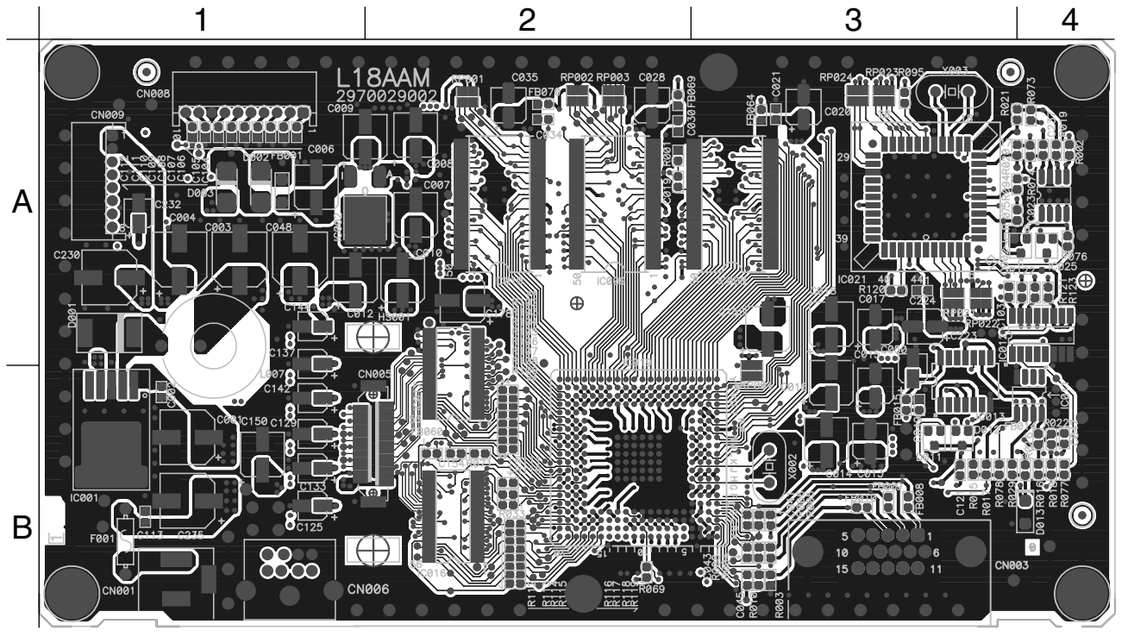
- Divided circuit diagram
  One sheet of INTERFACE board circuit diagram is divided into six sheets, each having the code INTERFACE-ⓐ to INTERFACE-ⓕ. For example, the destination (ab1) on the code INTERFACE-ⓐ sheet is connected to (ab1) on the INTERFACE-ⓑ sheet.

a b 1
- 1 → Ref. No.
- a b → Circuit diagram division code

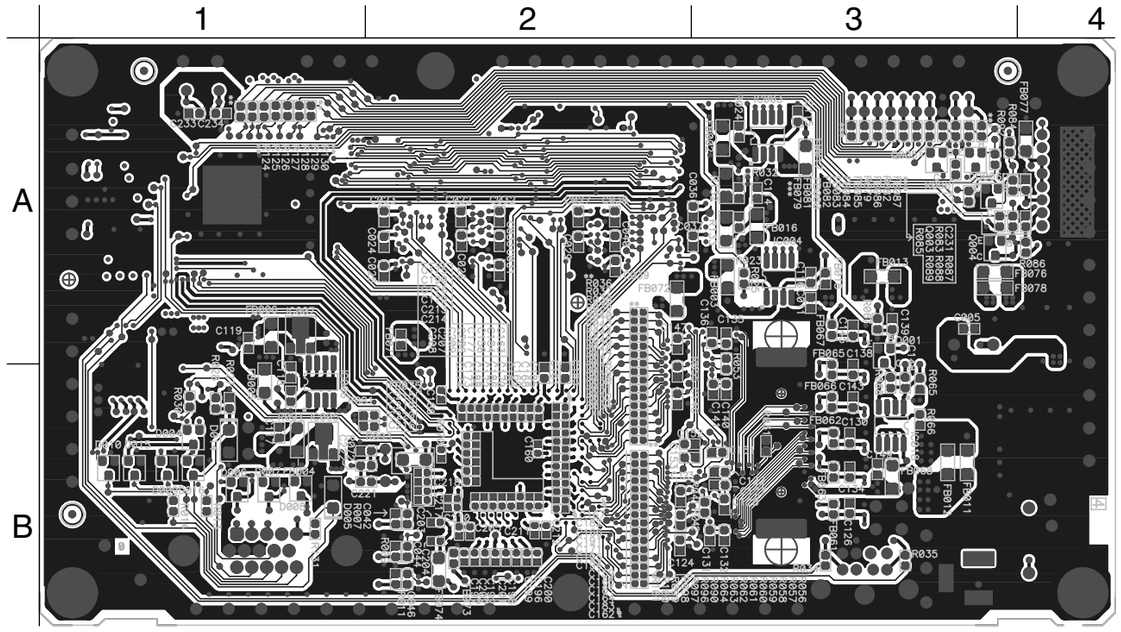
INTERFACE

[POWER, SCALER, SDRAM, MCU]

— INTERFACE BOARD —



<COMPONENT SIDE>



<CONDUCTOR SIDE>

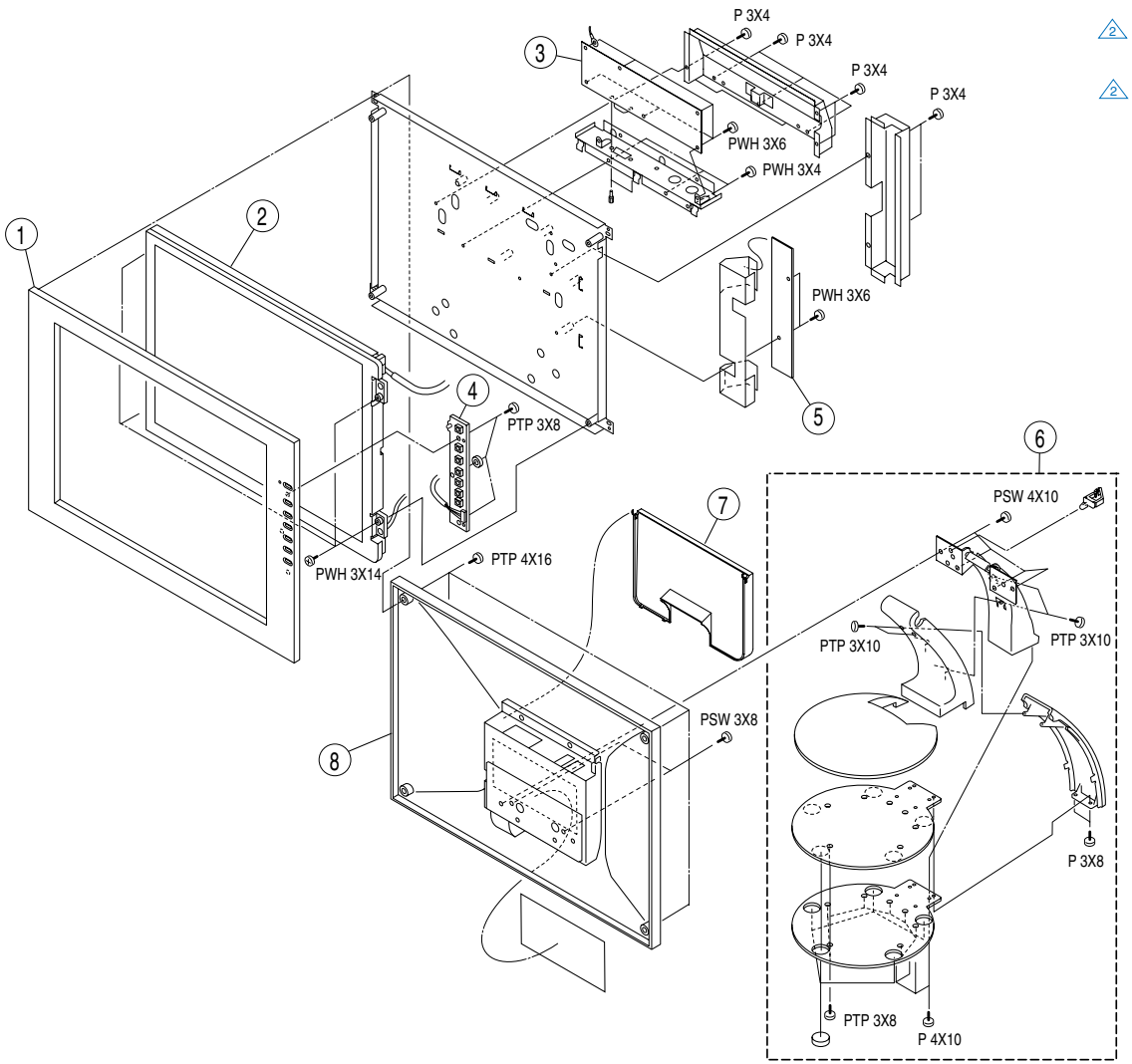
SECTION 4
EXPLODED VIEWS

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified ⚠ marked are critical for safety.
Replace only with the part number specified.

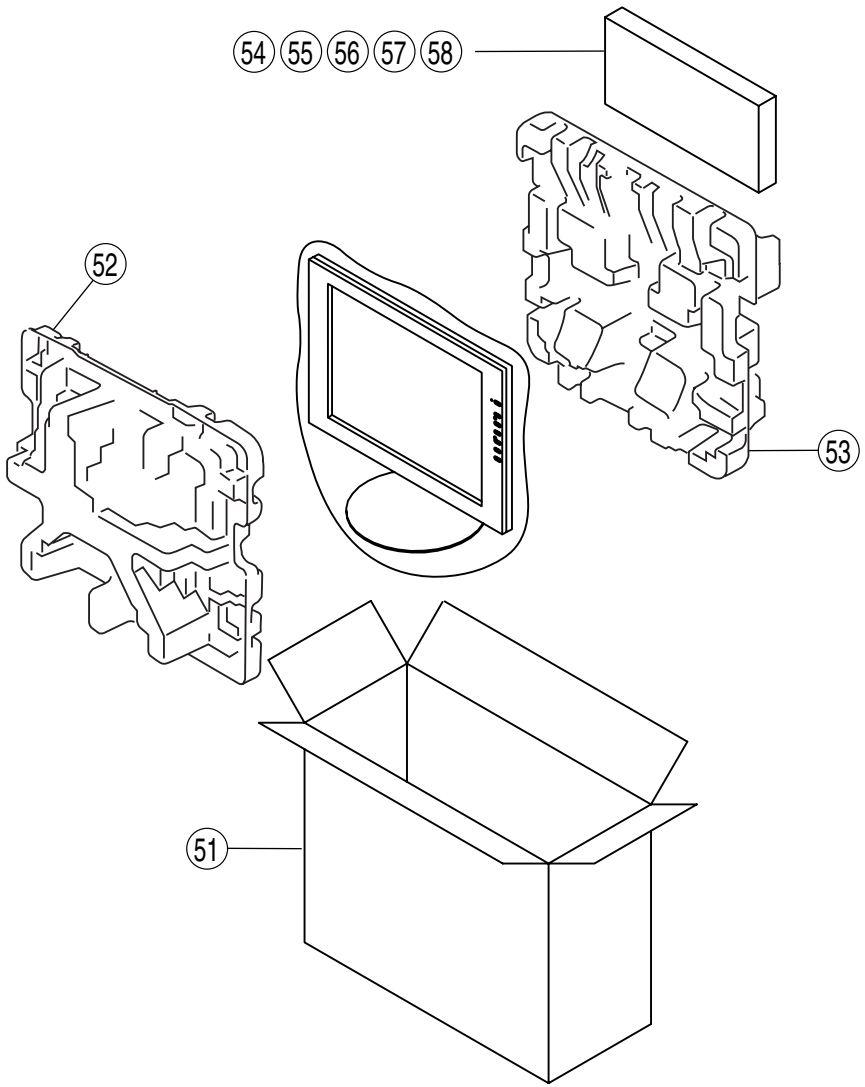
Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

4-1. CHASSIS



REF.NO.	PART NO.	DESCRIPTION	REMARK
1	4-089-030-01	BEZEL ASSY(WHITE)	
	4-089-079-01	BEZEL ASSY(BLACK)	
⚠2 ⚠3 2	1-804-808-12	LCD PANEL (for Samsung Panel)	
	1-804-962-11	LCD PANEL (for AU Panel)	
⚠2 ⚠3 3	1-761-596-21	I/F BOARD, MOUNT (for Samsung Panel)	
	1-761-618-21	I/F BOARD, MOUNT (for AU Panel)	
⚠2 4	1-761-594-11	KEYBOARD, MOUNT	
⚠2 5	1-761-569-11	INVERTER BOARD, MOUNT (for Samsung Panel)	
	1-761-607-11	INVERTER BOARD, MOUNT (for AU Panel)	
6	4-087-934-01	STAND ASSY(WHITE)	
	4-087-937-01	STAND ASSY(BLACK)	
7	4-089-031-01	COVER, REAR(WHITE)	
	4-089-078-01	COVER, REAR(BLACK)	
8	4-089-029-01	CABINET ASSY(WHITE)	
	4-089-080-01	CABINET ASSY(BLACK)	
⚠3	1-910-003-95	MAIN HARNESS ASSY (for AU Panel)	
⚠3	1-910-003-22	MAIN HARNESS ASSY (for Samsung Panel)	

4-2. PACKING MATERIALS



REF.NO.	PART NO.	DESCRIPTION	REMARK
51	* 4-088-749-01	INDIVIDUAL CARTON(WHITE)	
	* 4-088-750-01	INDIVIDUAL CARTON(BLACK)	
52	* 4-088-975-01	CUSHION (FRONT), PULP	
53	* 4-088-976-01	CUSHION (REAR), PULP	
54	1-477-232-14	ADAPTOR, AC	
55	1-765-719-11	CORD SET, POWER(AEP MODEL)	
	1-765-720-11	CORD SET, POWER (EXCEPT AEP MODEL)	
56	1-824-308-11	CABLE, SIGNAL(HD15-HD15)(WHITE)	
57	1-772-979-24	DISC, INFORMATION(CD-ROM)	
⚠1 58	4-087-260-12	MANUAL, INSTRUCTION (EXCEPT CH MODEL)	
	4-087-260-21	MANUAL, INSTRUCTION(CH MODEL)	

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

The components identified ⚠ marked are critical for safety.
Replace only with the part number specified.

Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

The components identified by ⋈ in this manual have been carefully factory-selected for each set in order to satisfy regulations regardin X-ray radiation.Should replacement be required, replace only with the value originally used.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

RESISTORS
- All resistors are in ohms
- F : nonflammable

*:INVERTER BOARD **:I/F MOUNT

No.	#	Board	Type	⚠/*	Ref.No.	Part No.	Descrption	Remarks-1	Remarks-2	Difference
1		A*	FUSE		F001	1-576-629-11				
2		B**	IC		IC021	6-802-032-01	W7862B			

English
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Ichinomiya Tec

9-978-729-04